

RAZDOBREYEVA, I.

V.G. Perov; on the 125th anniversary of his birth. Rabotnitsa no.1:25
Ja '59. (MIRA 12:3)

(Perov, Vasilii Grigor'evich, 1834-1882)

MAKOTIN, G. V.

Dissertation: "Hygienic Investigation of a Chocolate Finishing Machine." Cand Tech
Sci, Moscow Technological Inst of the Food Industry, 20 Apr 54. (Vechernyaya Moskva,
Moscow, 20 Apr 54.)

DC: JAN 24, 19 Oct 1954

RAZDOBUD'KO, M.A. (Khar'kov)

Effect of high and low temperatures on the immunological
reactivity of the animal organism. Gig.truda i prof. zav. 2
no.4:23-30 JI-Ag '58 (MIRA 11:9)

1. Institut usovershenstvovaniya vrachey.
(TEMPERATURE--PHYSIOLOGICAL EFFECT)
(IMMUNITY)

REZDUBUDKO, K.A., Cand Med Sci -- (diss) "Effect of certain physical factors of industrial environment on the immunobiological reactivity of animals. (Low and high air temperature and ultraviolet radiation). " Kharkov, 1959. 10 pp (Kharkov State Med Inst). 200 copies (XI,37-59, 111)

75

ANDERSON, W. W.

Cand Tech Sci

Dissertation: "Investigation of the Performance of the Friction Clutches
of a Supercharger in Aircraft Engine During Change of Speeds."

12/6/50

Moscow Order of Lenin Aviation Inst imeni Sergo Ordzhonikidze

80 Vecheryaya Moskva
Sum 71

RAZDOLIN, M.V., kandidat tekhnicheskik nauk.

Methods for improving joint operations of hydrostatic and hydrodynamic
clutches. Trudy MAI no.74:107-135 '56. (MLBA 10:5)
(Clutches (Machinery))
(Airplanes--Hydraulic equipment)

RAKDOLIN, Mikhail Viktorovich; BUMSHTEYN, S.I., inzh., red.; KHAMETOVA,
S.D., izdat.red.; ORESHKINA, V.I., tekhn.red.

[Units of ramjet engines; liquid volumetric pumps; manual]
Agregaty vozdušno-reaktivnykh dvigatelei; zhidkostnye ob"emnye
nasosy; uchebnoe posobie. Moskva, Gos.izd-vo obr.promyshl., 1959.
183 p. (MIRA 12:10)

(Airplanes--Ramjet engines)

26(1)

PHASE I BOOK EXPLOITATION

SOV/2602

Razdolin, Mikhail Viktorovich

Agregaty vozdushno-reaktivnykh dvigateley; zhidkostnyye ob'yemnyye nasosy (Jet Engine Subassemblies; Hydraulic Plunger-type Pumps) Moscow, Oborongiz, 1959. 185 p. Errata slip inserted. 6,300 copies printed.

Sponsoring Agencies: Moscow. Aviatsionnyy institut imeni Sergo Ordzhonikidze and Ministerstvo vysshego obrazovaniya SSSR.

Ed.: S.I. Bumshteyn, Engineer; Ed. of Publishing House: S.D. Khametova; Tech. Ed.: V.I. Oreshkina; Managing Ed.: A.S. Zaymovskaya, Engineer.

PURPOSE: The book is destined for students studying engines and their components. It may also be of interest to specialists working in the field of engine construction.

COVERAGE: This is a textbook written in conformity with a course on

Card 1/7

30V/2602

Jet Engine (Cont.)

auxiliary units of jet engines given by the author at the Moscow Aviation Institute imeni Sergo Ordzhonikidze. The author describes reciprocating and rotary pumps for liquids. In particular, the following problems are discussed: design, characteristics, special features of production and production materials, choice of basic parameters, calculation for strength, and technical requirements for basic components. Examples of existing designs are given. In the compilation of materials and in writing this book the author was assisted by Professors G.S. Skubachevskiy and V.I. Polikovskiy, Docent K.A. Kryukov, A.N. Dobrynin, Candidate of Technical Sciences, and V.S. Yegorov and Ye. M. Yudin, Engineers. There are 6 Soviet references.

TABLE OF CONTENTS:

Preface	3
Introduction. Basic Concepts	5
Ch. I. Gear Pumps	15
Card 2/7	

Jet Engine (Cont.)

SOV/2602

A. Output of gear pumps. Required power	16
1. Output of pump sections	16
2. Effect of incomplete filling of gear tooth spaces by fluid pump on operation	35
3. Actual output of pump	38
4. Pump characteristics	39
5. Power necessary for pump operation and torque on pump shaft	40
6. Uniformity of liquid delivery by pump	40
7. Assuring high-altitude performance of pumps	44
B. Design and calculation of gear pump components	46
8. Gears, spindles, and shafts	46
9. Casings, bearings, and lubrication	53
10. Spindle fixing	58
11. Some calculations for strength and wear	59
12. Multistage pumps and internal-gear pumps	67
13. Additional remarks on choice of pump parameters	69
C. Basic technical requirements for gear pump parts. Special features of production. Applicable materials	74

Card 3/7

Jet Engine (Cont.)

SOV/2602

D. Examples of existing gear pump designs	76
Ch. II. Rotary Pumps	
A. Uniformity of liquid delivery by rotary pumps. Output	85
1. Uniformity of liquid delivery by rotary pumps	87
2. Pump output	87
3. Pump characteristics and high-altitude performance	92
B. Design and calculation of elements of rotary pumps	95
4. Types of swinging devices	97
5. Four-vane swinging devices. Working conditions and vane dimensions	97
6. Openings and small sealing flange of barrel	100
7. Bearings (thrust bearings) of rotors	107
C. Basic technical requirements for rotary pump components. Special features of manufacture. Applicable materials	108
D. Examples of existing rotary pump designs	110
Ch. III. Plunger Pumps	112
A. Conventional diagrams of plunger pumps. Output	117

Card 4/7

Jet Engine (Cont.)

SOV/2602

1. Conventional diagrams of pumps and types of swinging devices	117
2. Pump output and characteristics	122
B. Kinematics of drum-plunger pumps with wobbler plate	122
3. Kinematics of pumps with parallel plungers and plane wobbler plates	122
4. Kinematics of pumps with inclined plungers and plane wobbler plates	125
5. Kinematics of pumps with inclined plungers and conic wobbler plate	127
C. Uniformity of liquid delivery by plunger pumps. Special features of cylinder filling	129
6. Uniformity of liquid delivery by pumps	129
7. Special features of cylinder filling	130
D. Dynamics of drum-plunger pumps with wobbler plates	133
8. Forces and moments acting on plungers	
9. Forces and moments acting on wobbler plates	142
10. Actual conditions of plungers-plate contact	143
E. Design and calculation of elements of plunger pumps	145

Card 5/7

Jet Engine (Cont.)

SOV/2602

11. Plunger heads	145
12. Side-surface of a plunger	147
13. Plunger springs	149
14. Resistances of the wobbler plate body	151
15. Resisting surface of the slide valve	151
16. Dimensions and location of slide valve openings	153
17. Wobbler plate bearing	154
F. Choice of basic parameters of plunger pumps	155
G. Basic technical requirements for plunger pump components.	
Special features of manufacture. Applicable materials	157
H. Example of existing plunger pump design	158

Appendixes

1. Analytical calculation method of volumes of teeth and cavities in gears	161
2. Determination of the line-of-action value and of its elements for two identical gears	166
3. Determination of the value and direction of side stresses	

Card 6/7

Jet Engine (Cont.)

SOV/2602

- on the pump gears due to working liquid pressure forces 168
- 4. Calculation of flat bases 172
- 5. Determination of pump plunger path with inclined position
of plungers and plane wobble plate 174
- 6. Information on chemical composition and mechanical properties
of some materials 178

Bibliography

184

AVAILABLE: Library of Congress

Card 7/7

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BOOK EXPLOITATION

UR/

629.13:62-762

Razdolin, Mikhail Viktorovich

Sealing aircraft hydraulic assemblies (Uplotneniya aviatsionnykh gidravlicheskikh agregatov) Moscow, Izd-vo "Mashinostroyeniye," 1965, 193 p. illus., biblio. Errata slip inserted. 3000 copies printed.

TOPIC TAGS: packing material, hydraulics, packing

PURPOSE AND COVERAGE: The book is based on Soviet and non-Soviet literature on the design of various types of packing for movable and fixed joints. Formulas are given for the calculation of each type of packing to determine: the pressure on the contact surfaces (or the size of fluid escape in contactless packings), friction losses and the amount of heat produced in dependence on pressure, and the mechanical and geometric characteristics of packings. A special chapter is dedicated to the materials used in packing manufacture and to methods of selecting them taking the operational conditions and the properties of the fluid used into account. The book is intended for engineers in the aviation industry and other branches of machine building. It may also be

Card 1/3

L 13314-66

AM5022847

useful to students studying related subjects in advanced technical schools.

TABLE OF CONTENTS:

Foreword -- 3

Introduction -- 5

PART I. PACKINGS FOR MOVABLE JOINTS -- 9

Ch. I. Contact Packings -- 10

- a. Contact packings of rotating parts -- 14
- b. Contact packing for parts with rectilinear reciprocating motion -- 68
- c. Achievement of absolutely airtight packing of parts with reciprocating motion -- 104

Ch. II. Contactless Packing -- 104

Card 2/3

L 13314-66

AM5022847

Ch. III. Combined Packings -- 133

PART II.. PACKINGS OF FIXED JOINTS -- 136

PART III. MATERIALS -- 154

Appendix -- 190

Bibliography -- 191

SUB CODE: IE

SUBMITTED: 11May65

NO REF SOV: 028

OTHER: 002

Card 3/3

RAZDOLIN, Mikhail Viktorovich; LOSEVA, G.F., red.

[Sealing devices for aircraft hydraulic systems] Uplot-
neniia aviatsionnykh gidravlicheskh agregatov. Mo-
skva, Mashinostroenie, 1965. 193 p. (MIRA 18:7)

RAZDOLIN, M.V.; GRIGORASH, K.I., red.; GARNUKHINA, L.A., tekhn.red.

[Selecting basic parameters for disk friction clutches] K vyboru osnovnykh parametrov diskovykh friktsionnykh muft. Moskva, Gos. nauchno-tekhn.izd-vo oborongiz. 1960. 86 p. (Moscow, aviatsionnyi institut. Trudy, no.127). (MIRA 13:11)
(Clutches (Machinery))

PHASE I BOOK EXPLOITATION

SOV/4564

Razdolin, M.V.

K vyboru osnovnykh parametrov diskovykh friktsionnykh muft (Selecting Basic Parameters for Disk Friction Clutches) Moscow, Oborongiz, 1960. 85 p. Errata slip inserted. 4,100 copies printed. (Series: Moscow. Aviatsionnyy institut im. Sergo Ordzhonikidze. Trudy, vyp. 127)

Sponsoring Agency: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya RSFSR, and Moskovskiy ordena Lenina Aviatsionnyy institut im. Sergo Ordzhonikidze.

Ed.: K.I. Grigorash; Tech. Ed.: L.A. Garnukhina; Managing Ed.: A.S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for technical personnel of the machine-building industry concerned with the design and operation of friction clutches. It may also be useful to students as a handbook in clutch design.

COVERAGE: The author discusses the selection of basic parameters of disk friction clutches installed in gear-shifting mechanisms. Reliability criteria permitting

Card 1/4

Selecting Basic Parameters (Cont.)

SOV/4564

a rational selection of basic parameters for the design of clutches are given. The following are also considered: the influence of the safety factor of the clutch engagement on the endurance of the engagement and the value of thermal losses, special features of the operation of clutches on various shafts of the assembly, equations of motion of a three-element planetary mechanism with a friction clutch, and methods of calculating friction clutches. Examples of calculations are given. The book was written in connection with the work performed in the kafedra konstrukt'si aviadvigatelye (Department of Aircraft Engine Design) of the Moscow Aviation Institute. The author thanks T.S. Zhegalovaya, Docent, of the kafedra teoriya mashin i mekhanizmov (Department of the Theory of Machines and Mechanisms) and L.S. Kubashevskaya, Engineer. There are 8 references, all Soviet.

TABLE OF CONTENTS:

Foreword	3
Introduction	5
Ch. I. Reliability Criteria of Friction Clutches	7
Card 2/4	

KHARIN, A.I., kand.tekhn.nauk; RAZDOL'NIY, V.A., inzh.; YUDICHEV, V.V., inzh.

Laboratory studies of the process of earth working with various types of
earth-intake devices. Sbor. trud. VNIINerud no.2:3-19 '62.
(MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut nerudnykh stroitel'-
nykh materialov i gidromekhanizatsii.
(Dredging machinery--Testing)

RAZDOL'NIY V.A., inzh.

Some data of studies of the process of sucking in gravelly soil.
Sbor.trud.VNIINerud no.1:125-136 '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut nerudnykh
stroitel'nykh materialov i gidromekhanizatsii.
(Dredging machinery) (Gravel)

RAZDOL'SKAYA, L.A.; ROYNISHVILI, N.N.; GABUNIYA, L.L.; MANDRITSKAYA, K.V.;
TATALASHVILI, N.G.

Program for processing the tracks of penetrating cosmic ray
showers with energies of 10^{10} to 10^{12} ev. Fiz. chast. vys.
energ. no.1:65-84 '65. (MIRA 18:12)

RAZDEL'SKIY, A. G., Cand of Geol-Min Sci -- (Iss) "Engineering and Geological Characteristics of the Loess-Like Rocks of Southern Kirgiziya (in the Chirchik Canal Region) and Measures for Combating Deformation of Canals in a Blowing Region," Tashkent, 1959, 25 pp (Institute of Geology, Academy of Sciences Uzbek SSR) (KI, 8-60, 115)

RAZDOL'SKIY, Anatoliy Grigor'yevich; GRIGORENKO, P.G., otv. red.;
SEMIKINA, T.F., red.izd-va; ANOKHINA, M.G., tekhn. red.

[Engineering geology properties of loesslike rocks in the southern part of Kirghizia and measures for the control of deformations of canals in a hilly relief] Inzhenerno-geologicheskie svoistva lessovidnykh porod iuga Kirgizii i mery bor'by s deformatsiyami kanalov v kosogornyykh usloviyakh rel'efa. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 313 p. (MIRA 16:7)

(Kirghizistan--Canals) (Kirghizistan--Loess)
(Engineering geology)

RAZDOL'SKIY, A.G.

Changes of water-soluble salts in settling loesslike soils under
the effect of the seepage waters of canals. Izv. AN Kir. SSR.
Ser. est. i tekhn. nauk 4 no.3:57-81 '62. (MIRA 15:11)
(Saline and alkali soils)

RAZDOL'SKIY, A.G.

Distribution of seepage water in loessial soils under channels
in a hilly relief. Trudy Inst. geol. AN Kir. SSR no.10:159-166
'58. (MIRA 12:9)

(Water, Underground) (Loess)

RAZDOL'SKIY, A.G.

Restoring the natural moisture of monoliths of loess by means of
repeated moistening with water dust. Uzb.geol.zhur. no.5:83-
85 '61. (MIRA 14:11)

(Loess)

RAZDOL'SKIY, A.G.

Measures for combating canal deformations in loess soils in hilly relief. Trudy Inst.geol.AN Kir.SSR no.6:189-217 '55. (MLRA 10:2)
(Kirghizistan--Irrigation canals and flumes)

RAZDOL'SKIY, A.G.

Measures for combating canal deformations in loess soils in hilly relief. Trudy Inst.geol.AN Kir.SSR no.6:189-217 '55. (MLRA 10:2)
(Kirghizistan--Irrigation canals and flumes)

RAZDOISKIY, A.M., inzh.

New models of pneumatic hand tools. Stroi. i dor. mash. 9 no.12:19-
24 D '64. (MIRA 18:3)

RAZDOL'SKIY, A.M., inzh.

New models of hand pneumatic tools. Stroi. i dor. Mash. 10 no.2:24-
30 F '65. (MIRA 1833)

RAZDOL'SKIY, D.

Roll call of V.Gaganova's followers in the Ukraine and in
Rumania. Kozh.-obuv.rom. no.12:32 D '59.
(Efficiency. Industrial) (MIRA 13:5)

RAZDOL'SKIY, G.Ya.
RAZDOL'SKIY, G.Ya., inzh.

Metallurgists of the Petrov plant in the struggle for fuel
economy. Prom.energ.12 no.11:37-39 N '57. (MIRA 10:12)
(Metallurgical plants)

RAZDOL'SKIY, I.

"Tick-born encephalitis" by Kh.L.Bel'man. Reviewed by I.Razdol'skii.
Zhur. nevr. i psikh. 61 no.6:947 '61. (MIRA 15:2)
(ENCEPHALITIS) (BEL'MAN, KH.L.)

ARENDR, A.A., zasl. deyatel' nauki prof.; ARKHANGEL'SKIY, V.V., kand. med. nauk; BLAGOVESHCHENSKAYA, N.S., doktor med. nauk; GAL'PERIN, M.D., prof.; KANDEL', E.I., kand. med. nauk; KORNYSANSKIY, G.P., prof.; KORST, L.O., doktor med. nauk; RAZDOL'SKIY, I.Ya., zasl. deyatel' nauki prof.; EMDIN, P.I., zasl. deyatel' nauki prof. [deceased]; EPSHTEYN, P.V.; DAVIDENKOV, S.N., prof., otv. red.; BOGOLEPOV, N.K., prof., zam. otv. red.; SENCHILO, K.K., tekhn. red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po nevrologii. Moskva, Medgiz. Vol.5. [Tumors of the nervous system] Opukholi nervnoi sistemy. . 1961. 570 p.

(MIRA 16:9)

1. Deystvitel'nyy chlen AMN SSSR (for Davidenkov). 2. Chlen-korrespondent AMN SSSR (for Razdol'skiy).

(NERVOUS SYSTEM—TUMORS)

RAZDOL'SKIY, I. Ya.

DECEASED

1964

MEDICINE
NEUROLOGY

1962

RAZDOL'SKIY, L.G.

Use of L.V.Kantorovich's method in solving Th. Kármán's
equations. Vest.Mosk.un.Ser.1: Mat., mekh. 20 no.6:62-88
N-D '65. (MIRA 18:12)

1. Kafedra teorii uprugosti Moskovskogo universiteta.
Submitted Jan. 14, 1965.

SAINT PETER'S, (St. Peter's), formerly belonging to the same family as the above.

Device for coercive unrolling of the varying coils on the
SABRO sizing machine. Tekst. prom. 21 no.10:45-46 G 1964.
(MIRA 10 12)

1. Rukovoditel' otbela khlopka Tbilisskogo nauchno-issledovatel'skogo instituta tekstil'noy i legkoy promyshlennosti Gosudarstvennogo komiteta po legkoy promyshlennosti pri Gosplane SSSR (for Razdol'skiy). 2. Tbilisskiy nauchno-issledovatel'skiy institut tekstil'noy i legkoy promyshlennosti Gosudarstvennogo komiteta po legkoy promyshlennosti pri Gosplane SSSR (for Sherman).

RAZDOL'SKIY, V.A. (Samarkand)

Psychotherapy in stammering with the use of a magnetic recorder.

Zhur. nevr. i psikh. 65 no.7:1102 '65.

(MIRA 18:7)

HAZDORSKAYA, L.A.

[illegible]

<u>Name</u>	<u>Title of work</u>	<u>Place of publication</u>
Ogolevets, G.S.	"Encyclopedic Dictionary	Moscow Agricultural Academy
Vill'yams, V.V.	of Therapeutic, Essential	imeni K.A. Timiryazev
Rzdorskaya, L.A.	Oil-Bearing, and Toxic	
Ivanov, F.V.	Plants"	
L'vov, M.A.		
Woroshilov, V.N.		

VOIKOVA, P.A.; DOLGOVA, A.A.; IVANOVA, S.D.; LYUKSHENKOVA, Ye.Ya.;
L'VCV, N.A.[deceased]; RAZDORSKAYA, L.A.[deceased];
RODIONOVA, V.M.; FEDOSEYEV, A.N., red.; MATVEYEVA, M.M.,
tekh. red.

[Wild medicinal plants of the R.S.F.S.R.; Moscow Province]
Dikorastushchie lekarstvennye rasteniia RSFSR; Moskovskaia
oblast'. Moskva, Medgiz, 1963. 144p. (MIRA 16:8)

1. Kafedra farmakognozii I Moskovskogo meditsinskogo in-
stituta im.I.M.Sechenova (for Volkova, Lyukshenkova).
2. Botanicheskiy sad I Moskovskogo meditsinskogo instituta
im.I.M.Sechenova (for Rodionova).
(MOSCOW PROVINCE--BOTANY, MEDICAL)

RAZDORSKAYA, Z. A.

Voluntary committee of standardization. Standartizatsiia 26
no.10:46-49 0 '62. (MIRA 15:10)

(Standardization)

RAZDORSKIY, Grigoriy Ivanovich; SHVEYTSEY, Ye.K., red.; MURASHOVA, V.A.,
tekhn.red.

[Commodity production and money under capitalism] Tovarnoe
proizvodstvo i den'gi pri kapitalizme. Moskva, Gos.izd-vo
"Vysshaya shkola," 1962. 62 p. (MIRA 15:4)
(Economics)

KUMARITASHVILI, M. Z.; RAZDOL'SKIY, S. M.; GAMGEBELI, V. K.; ZALIYEVA, A. Z.

Multilayer nonwoven fabrics. Izv. vys. ucheb. zav.; tekhn. tekhn.
prom. no.4:73-75 '62. (MIRA 15:10)

1. Nauchno-issledovatel'skiy institut tekstil'noy promysh-
lennosti Gruzinskoy SSR.

(Nonwoven fabrics)

L 24707-66 EWT(d)/T/EWP(1) IJP(c)

ACC NR: AP6010647

SOURCE CODE: UR/0055/65/000/006/0082/0088

AUTHOR: Razdol'skiy, L. G.

ORG: Moscow State University, Department of the Theory of Elasticity (Moskovskiy gosudarstvennyy universitet, Kafedra teorii uprugosti)

TITLE: Application of the L. V. Kantorovich method to the solution of Th. Karman equations

SOURCE: Moscow. Universitet. Vestnik. Seriya I. Matematika, mekhanika, no. 6, 1965, 82-88

TOPIC TAGS: elasticity theory, approximation method, bending stress, plate theory, nonlinear differential equation

ABSTRACT: The nonlinear deformations of a flexible plate hinged at its ends are analyzed, using the method of L. V. Kantorovich (Odn pryamoy metod priblizhennogo resheniya zadachi o minimume dvoynogo integrala. Izv. AN SSSR, OMEH, No. 5, 647-652, 1933). The governing equations of the plate deflection are written following Th. Von Karman and are simplified using the functional notation

$$w = \sum_{k=1}^n \chi_k(x) f_k(y), \quad \Phi = \sum_{v=1}^n \psi_v(y) \varphi_v(x).$$

Card 1/2

UDC: 53:51

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ACC NR: AP6010647

where according to L. V. Kantorovich the functions χ and ψ depend on a single variable. Recurrence formulae are derived to determine the coefficients of the nonlinear algebraic equations arising from the above Kantorovich approximation. A numerical example is considered for a square plate. The solution is obtained using a first approximation with and without the solution of the homogeneous equation

$$\frac{3}{2} b \varphi^{IV} - \frac{4\pi^2}{b} \varphi'' + \frac{8\pi^4}{b^3} \varphi = -\frac{1}{2} \frac{E\pi^4}{2a^3b} \cos^2 \frac{\pi x}{a} a_1^2 +$$

$$+ \frac{E\pi^4}{2a^3b} \cos \frac{2\pi x}{a} \sum_{k=1}^n \left[a_k k^2 - \frac{1}{2} a_k a_{k-2} k^2 \right] + \frac{E\pi^4}{2a^3b} \cos^2 \frac{\pi x}{a} \sum_{k=1}^n a_k a_{k-2} k^2.$$

Orig. art. has: 13 equations and 1 figure.

SUB CODE: 13, 12/ SUBM DATE: 11 Jan 65/ ORIG REF: 004

Card 2/2 FV

RAZDOL'SKIY, S.M.

Equalization of loads on the lay sword pins of looms. Tekst.prom.
22 no.2:38-44 F '62. (MIRA 15:3)

1. Rukovoditel' otдела khlopka Tbilisskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti.
(Looms)

ACC NR: AP6012241

(A)

SOURCE CODE: UR/0330/65/000/012/0009/0013

AUTHOR: Flaumenbaum, B. L. (Candidate of technical sciences); Razdorskikh, A. S. (Aspirant)

ORG: Odessa Technological Institute of the Food and Refrigeration Industry (Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy promyshlennosti)

TITLE: The intensification of the detartration process for grape juice by treatment with calcium lactate and ultrasound

SOURCE: Konservnaya i ovoshchesushil'naya promyshlennost', no. 12, 1965, 9-13

TOPIC TAGS: food technology, food sterilization, ultrasonic irradiation

ABSTRACT: Various methods which have been proposed to prevent the precipitation of potassium by titrate in grape juice are discussed and a new technological process utilizing calcium lactate and ultrasonic irradiation is proposed. In the proposed method calcium lactate is added to fresh grape juice which is cooled to a temperature of 0°C. Ultrasonic irradiation is carried out for a period of 1 min, producing complete precipitation of tartrates within 24 hr. Because of this short irradiation period, the latter may be carried out while the juice is flowing or it may be carried out in an intermediate tank of small size without the special equipment of large tanks with ultrasonic transducers. The rapid removal of tartrates must be achieved in conjunction with arti-

UDC: 664.851:634.22

Card 1/2

ACC NR: AP6012241

ficial purification, otherwise the colloiddally suspended substances may not precipitate during the 24-hr aging period. The introduction of clarification materials into the juice must take place at the time the calcium lactate is added. The optimum variation of this technological process will become clear during industrial testing. Orig. art. has: 6 formulas, 4 figures, 1 table.

SUB CODE: 06.07 / SUBM DATE: none/ ORIG REF: 001

Card 2/2

RAZDORSKY, V. F.

"Sadas Yasuda and Physiological Investigation of Self-Sterility in the plant." (p. 724)
by Razdorsky, V. F.

SO: Advances in Contemporary Biology (USPEKAI SOVREMENNOI BIOLOGII) Vol. V, No. 4 1936

RAZDORSKI, V.

"Stimulative Parthenocarpy" (p.243) by V. Razdorsky

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. XV, 1942, No. 2

MAZUR, P. I., V

Anatomiya rasteniy [Plant Anatomy] Moskva, "Sovetskaya nauka," 1949.
524 p. illus., diagrams.

W/5
632.2
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RAZDORSKIY, V.F.

The Ministry of Education of the USSR has announced that the following scientific works, including monographs, books, and textbooks have been submitted for competition for Stalin Prizes for the years 1943 and 1944. (Sovetskaya Kultura, Moscow, No. 41-42, Feb. 13, Apr. 1944)

<u>Name</u>	<u>Title of Work</u>	<u>Submitted by</u>
Kursanov, L.I.	"Botany" (textbook)	Moscow State University Ireni
Meyyer, K.I.		M.V. Ikonosov
Komarnitskiy, N.A.		
Uralov, A.A.		
Razderskiy, V.F.		

RAZDORSKIY, Vladimir Fedorovich; TRANKOVSKIY, D.A., redaktor; GUBER, A.
tekhnicheskii redaktor

[Architectonics of plants] Arkhitektonika rastenii. Moskva,
Gos. izd-vo "Sovetskaya nauka," 1955. 430 p. (MIRA 9:4)
(Botany--Anatomy)

KURSANOV, L.I., prof.; KOMARNITSKIY, N.A.; MEYER, K.I., prof.; ~~RAZDORSKIY,~~
V.F., prof.; URANOV, A.A.; RYBAKOV, N.T., red.; SMIRNOVA M.I., tekhn.
red.

[Botany; a textbook for pedagogical institutes and universities.
Vol.1. Anatomy and morphology] Botanika; uchebnik dlia pedagogi-
cheskikh institutov i universitetov. Izd.6. S ispr. i pod red. N.A.
Komarnitskogo. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv.
RSFSR. Vol.1. Anatomia i morfologiya. 1958. 419 p. (MIRA 11:7)
(Botany--Anatomy) (Botany--Morphology)

L 14553-66 EWT(m)/EWA(h)
ACC NR: AT5028943

(A)

SOURCE CODE: UR/0000/63/000/000/0183/018842

AUTHOR: Gol'din, M. L.; Linetskiy, I. R.; Razdovskiy, Yu. I.

ORG: none

TITLE: Measurement of radioactive emissions by means of ionization chambers supplied with alternating voltage

SOURCE: Vsesoyuznyy seminar po primeneniyu radioaktivnykh izotopov v izmeritel'noy tekhnike i priborostroyenii. Frunze, 1961. Radioizotopnyye metody avtomaticheskogo kontrolya (Radioisotope methods of automatic control); trudy rasshirennogo soveshchaniya, v. 1. Frunze, Izd-vo AN KirgSSR, 1963, 183-188

TOPIC TAGS: nuclear radiation, ionization chamber, alternating voltage, alternating current, electrometry, *ELECTRONIC CIRCUIT*

ABSTRACT: The possibility of eliminating mechanical microcurrent modulators from electrometric modulator circuits was studied at the Laboratory of Radio Control Methods of the KIP plant of the Kharkov Sovnarkhoz. Analysis of certain principles of the design of circuits for the automatic control and regulation of technological processes shows that there is now no reliable and stable amplifier of microcurrents.

Card 1/2

L 14553-66

ACC NR: AT5028943

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This restricts the extensive possibilities offered by the use of ionization chambers in industrial control circuits. An ac supply circuit which excluded the use of mechanical modulators was built for the chambers and tested. The absence of mechanical modulators markedly increased the reliability of circuits measuring ionization currents and made it possible to obtain powerful signals at the output. The use of ac amplifiers operating in a pentode regime close to the electrometric regime improved the signal-to-noise ratio in the entire electronic system. Thus, the study opens the way to the creation of a highly reliable and sensitive automatic industrial system for recording nuclear radiation. Orig. art. has: 8 figures, 2 formulas.
19, 55

SUB CODE: 14,09,18/ SUBM DATE: 21Mar63/ ORIG REF: 007/ OTH REF: 001

TS
Card 2/2

GOL'DIN, M.L., kand.tekhn.nauk; LINETSKIY, I.R.; RAZDOVSKIY, Yu.I.

The IPP-1M radioisotope meter of pulpe density. Avtom.i prib.
no.4:10-13 O-D '62. (MIRA 16:1)

(Densitometers)

(N)
L 10401-66 EWT(m)/EWP(v)/EWP(j)/T/ETC(m) WW/RM
ACC NR: AM5025913 Monograph

UR/
38
37
B+1

Razdrogin, Yuriy Vladimirovich

Mounting of machinery on plastic boats (Krepleniye mekhanizmov na sudakh iz plastmass) Leningrad, Izd-vo "Sudostroyeniye," 1965. 147 p. illus., biblio., tables. 1800 copies printed.

TOPIC TAGS: shipbuilding engineering, structural plastic, reinforced plastic, ship component, mechanical fastener

PURPOSE AND COVERAGE: This book is intended for personnel in scientific-research, planning, and design organizations studying problems in the mounting of fittings on plastic boats and may be used by students in shipbuilding schools of higher education and tekhnikums. Methods of mounting machinery on plastic boats are reviewed, and materials used in building plastic boats are discussed along with existing foundation designs. A description is given of tests for fasteners used in mounting machinery on foundations, and a calculation method is proposed for fasteners used with machinery and other fittings on plastic boats. The use of bonding angles in joining foundations to plastic-boat shells is described, as is the technology for installing fasteners for machinery and other fittings. Problems dealing with the quality control of materials and safety in working with glass-reinforced plastics are also reviewed.

Card 1/3

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L 10401-66

ACC NR: AM5025913

TABLE OF CONTENTS:

Author's Preface -- 4

- Ch. I. Existing methods of mounting machinery and fittings on plastic boats -- 5
1. Materials used in building plastic boats -- 5
 Bonding compounds -- 5
 Reinforcing materials -- 11
 2. Types of plastic boats -- 18
 3. The design of foundations and methods for joining them to boat hulls and machinery -- 20
 4. Methods for fastening several types of fittings -- 28
- Ch. II. New methods for mounting machinery and fittings on plastic boats -- 32
5. An evaluation of existing methods of mounting machinery and fittings -- 32
 6. Loads acting on foundations and the fastening of machinery to foundations -- 33
 7. Selecting new methods of mounting machinery and fittings -- 39
- Ch. III. Strength calculations for mounting machinery and fittings on plastic boats -- 90
8. Analytical and graphic calculation methods -- 90

Card 2/3

L 10401-66

ACC NR: AM5025913

- Ch. IV. Technique of installing foundations, fasteners, and machinery -- 117
- 9. Technique of installing foundations -- 117
 - 10. Laying up glass-reinforced plastics when installing fasteners -- 119
 - Preparation of materials and molding operations -- 120
 - 11. Installing machinery and shafting -- 125
 - Installing main engines -- 125
 - Installing shafting -- 128
 - Installing auxiliary machinery -- 134
 - 12. Technique of installing fasteners for several types of fittings -- 135
 - Materials used for bonding fitting fasteners -- 135
 - 13. Quality control of materials and safety in working with glass-reinforced plastics -- 143

Appendix -- 147

References -- 148

SUB CODE: MT,GO/ SUBM DATE: 24Feb65/ ORIG REF: 011/ OTH REF: 003/

lch

Card 3/3

KACHEN, Yuriy Vladimirovich; SIDORENKO, A.P., nauchn. red.;
TERENTINA, L.A., red.

[Mounting of mechanisms on plastic ships] Kreplenie me-
khanizmov na sudakh iz plastmass. Leningrad, Sudostroenie,
1965. 147 p. (MIRA 18:6)

RECORDS, P.O., Part 1, 1941-1944

Tracking Flange couplings with hermetically sealing clasp.
Subsistence no. 6874-77 Is 1/4. (MIRA 1948)

RAZDROGIN, Yu.V., inzh.

Experience in repairing piston engines. Sudostroenie 25
no.3:48-50 Mr '59. (MIRA 12:5)
(Marine engines--Maintenance and repair)

RAZDROGIN, Yu., inzh.

Modern method of protecting propeller shafts against corrosion.
Rech. transp. 19 no.11:21-22 N '60. (MIRA 13:11)
(Ships--Corrosion) (Protective coatings)

RAZDROGIN, Yu.

Use of standard price lists for repairing ships of the s/s
"Pervomaisk" type; Kerch Ship Repair Yard. Inform.sbor.
TSNIIME no.26:15-19 '58. (MIRA 13:4)

1. Kerchenskiy sudoremontnyy zavod.
(Steamboats--Maintenance and repair)
(Kerch--Shipyards)

RAZDROGIN, Yu., inzh.

A mechanized method of coating propeller shafts with reinforced
epoxy resin. Rech.transp. 23 no.11:47 N '64.

(MIRA 18:3)

RAZDROGIN, Yuriy Vladimirovich; LAPINA, Z.D., red.; KLAPTSOVA, T.F.,
tekhn. red.

[Manual for a fitter in ship repairs] Uchebnoe posobie dlia
slesaria-sudoremontnika. Moskva, Izd-vo "Morskoi transport,"
1962. 206 p. (MIRA 15:7)
(Ships--Maintenance and repair)

AYZENBERG, B.L.; BOLOTOV, V.V. ; BRIL', R.Ya.; GERASIMOV, V.N.; GREKOV, V.I.;
DOVETOV, M.Sh.; KAMENSKIY, M.D.; KLEBANOV, L.D.; KONSTANTINOV, B.A.;
KUZ'MIN, V.G.; LYUBAVSKIY, V.I.; MELENT'YEV, L.A.; MIKHALEV, N.N.;
POLYANSKIY, V.A.; RAZDROGINA, L.A.; SIVAKOV, Ye.R.; STARIKOV, V.G.;
SAVASHINSKAYA, V.I.; SHAYOVICH, L.L.

Igor' Valentinovich Gofman, 1903-1963; obituary. Trudy LIEI
no.51:3-4 '64. (MIRA 18:11)

RAZDROGOV, M.N.

The installation of micrometers on millboard cylinder-size rolls.
Bum.prom. 30 no.11:23-24 N '55. (MLBA 9:2)

1.Kartonnaya fabrika imeni S.M.Kirova, Ul'yanskovskoy oblasti.
(Paperboard)

RYZHIK, Zinoviy Markovich; RAZDUY, F.I., red.; TELYASHOV, R.Kh.,
red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Continuous-line mechanized welding] Potochnoe i mekhanizirovannoe svarochnoe proizvodstvo; stenogramma lektsii. Leningrad, 1963. 21 p. Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Svarka i paika, no.2) (MIRA 16:5)

(Welding--Equipment and supplies)
(Assembly line methods)

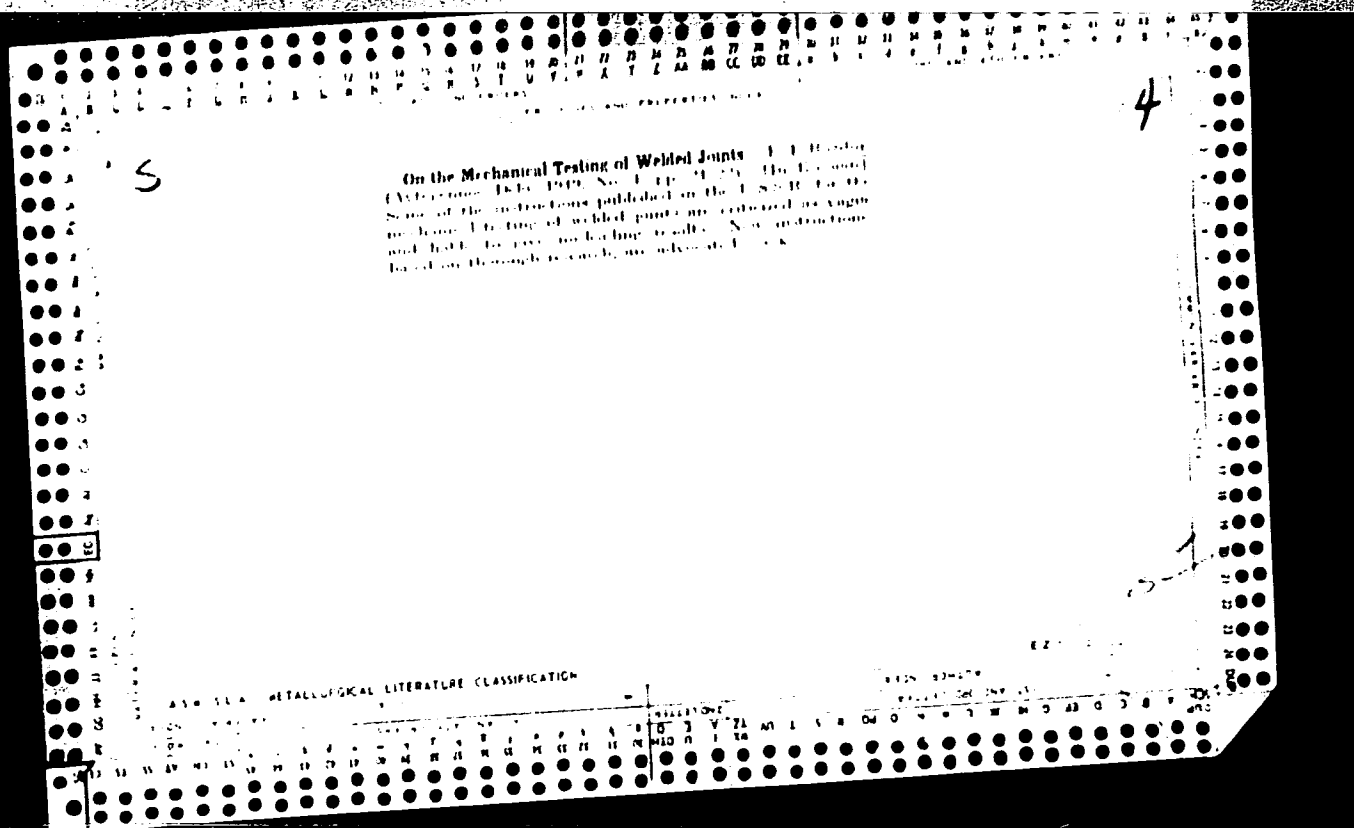
LUSHKOV, N.L., inzhener; RAZDUY, F.I., kandidat tekhnicheskikh nauk.

Using the Sv-08 wire manufacturing electrodes for welding ship
structures. Sudostroenie 22 no.5:27-30 My '56. (MIRA 9:9)
(Hulls (Naval architecture)--Welding)(Electric welding)

RAZDUY, F. I.

Engineer .

"Mechanical tests of welded seams," Avtogen. Delo, No. 1, 1949.



RAZDUY, F.I.

MSR/Welding, Seam
Welding - Steel, High-chrome

"Solid Weld-seams of High-chrome Steel," T. N. Dubrava, F. I. Razduy, 4 pp

"Avtogernoye Delo" No 5

Argument to show that very durable welding seams may be obtained by use of 18x14A steel electrodes with a plating containing 1-2% graphite (more graphite gives unsatisfactory results), and that MSR-2 electrodes with plating containing graphite provide seams of the martensite class with a hardness of 54 Rc units.

1A 12T2

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S/135/62/000/012/005/015
A006/A101

AUTHOR: Razduy, F. I., Candidate of Technical Sciences
TITLE: Argon-arc spot welding aluminum alloy AMr 5B (AMg5V)
PERIODICAL: Svarochnoye proizvodstvo, no. 12, 1962, 14 - 16

TEXT: To reduce deformations in aluminum alloy welded parts an argon-arc spot-welding method was developed. The main purposes of the investigation, carried out with Engineer V. M. Tushin participating, were to determine: welding conditions with a consumable electrode; the geometrical dimensions of the spot-welds as functions of the welding conditions, and the mechanical properties and deformations of the welds, produced by the aforementioned method. The experiments show that Tee- and overlap joints should be carried out by using a "forward angle"; the inclination angle of the semi-automatic tip to the weld axis must be 60 - 85°; the spots should be placed on marks applied with chalk or a pencil at the lower shelf at 10 - 15 mm spacing. Optimum welding conditions are given in Table 1. Mechanical tests show that the breaking force on one spot varies between 225 to 560 kg depending on the magnitude of the calculated section

Card 1/3

Argon-arc spot welding...

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A006/A101

of the spot, and the shearing force varies from 490 to 870 kg, respectively. Deformation of the welded assembly was determined by measuring the deflection on a section between the ribs welded onto a shaped section. In spot welding the deflection is 0.5 - 0.8 mm against 0.61 - 1.74 mm in continuous welding. The experimental investigation shows that Tee, angular, and overlap joints of aluminum alloy AMr 5 B (AMg5V) can be produced by semi-automatic argon-arc spot welding with a consumable electrode. The metal should not be over 8 mm thick. The advantage of these joints against continuous welds consists in a reduced deformation of the welded parts. The welds can be produced at a greater speed than continuous joints. Parts 1 - 3 mm thick can be spot-welded with wire, 0.8 - 1.2 mm in diameter, if proper equipment is used. In this case the advantage of spot welding will appear to a still higher degree. There are 7 figures and 2 tables.

Card 2/3

RAZDUY, F.I., kand.tekhn.nauk; SITALOV, V.P., inzh.

Method of joining aluminum with steel. Svar.proizv. no.7:12-15
Jl '62. (MIRA 15:12)

(Aluminum-Welding) (Steel-Welding)

L 61866-65 EWT(m)/ENP(w)/EWA(d)/ENP(v)/EPR/T/ENP(t)/ENP(k)/ENP(b)/EWA(c)
Pf-L/Ps-L LJP(c) JD/HM/HW/GS
ACCESSION NR: AT5013454 UR/0000/63/000/000/0176/0184

AUTHOR: Razduy, F. I.

TITLE: The use of aluminum alloys in shipbuilding

SOURCE: Respublikanskaya konferentsiya svarshchikov Litvy. Progressivnyye metody svarki i rezki metallov (Progressive methods of welding and cutting of metals); materialy III i IV konferentsii. Vilnius, 1963, 176-184

TOPIC TAGS: shipbuilding welding, aluminum alloy welding, aluminum alloy shipbuilding, welding technology, aluminum alloy mechanical property

ABSTRACT: The author cites some of the basic reasons for the relatively limited use by the Soviet shipbuilding industry of aluminum alloys until recent times, noting that in the last 3-4 years many of the obstacles that formerly existed have been eliminated and that more and more aluminum is being used in naval construction. Listings of the principal aluminum alloys in use in the SSSR are given, along with a table of the mechanical properties of Soviet aluminum alloy sheets. The many methods presently employed for joining or connecting aluminum alloys are discussed briefly. These include: riveting, gluing, soldering, and numerous forms of welding (ultrasound, gas, cold, friction, electric-arc and contact). Guidelines for the selection of the proper type of welding are presented, and the principle of

Card 1/2

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argon-arc welding is explained. A comparative table is presented, illustrating the degrees of effectiveness of different methods of electrical welding of aluminum alloys. The article concludes with a discussion and analysis of the metallurgical peculiarities inherent in the welding of aluminum-base alloys, particularly as these apply to the shipbuilding industry. Technological data are given showing the mechanical properties of samples prepared by means of manual argon-arc welding and by automatic and semi-automatic consumable-electrode welding. Orig. art. has: 5 tables.

ASSOCIATION: None

SUBMITTED: 10Apr63

ENCL: 00

SUB CODE: IE, MM

NO REF SOV: 000

OTHER: 000

132
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L 14506-66 EWT(m)/ENA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b) IJP(c) MJW/
ACC NR: AP6003280 (N) SOURCE CODE: UR/0135/66/000/001/0009/0011 JD/
HM

AUTHOR: Razduy, F. I. (Candidate of technical sciences); Zasukha, P. F. (Candidate
of technical sciences); Ryabov, V. R. (Engineer) 51
47

ORG: none

TITLE: Welding of steel and aluminum structural elements by means of bimetal inserts
44.55 18

SOURCE: Svarochnoye proizvodstvo, no. 1, 1966, 9-11

TOPIC TAGS: bimetal, metal rolling, steel, aluminum, weldability, welding technology,
shipbuilding engineering, material deformation

ABSTRACT: The development by the Ural Institute of Ferrous Metallurgy of a new method
of producing Al-clad steel strip suitable for use as an insert in bimetal weldments
is described. The method involves rolling a composite bimetal strip 6-12 mm thick, up
to 300 mm wide and up to 2500 mm long, with a thickness ratio of Al to steel amounting
to at least 2:1 and is based on the principle of "mono-component deformation," i.e.
on the deformation of the plastic Al alloy alone during rolling, without the conco-
mitant deformation of steel; at 380-450°C the Al alloy is fairly plastic and its de-
formation resistance is 8-16 kg/mm² whereas at these temperatures the deformation re-
sistance of steel is 30-45 kg/mm² i.e. 3-4 times as high. This technique offers many
advantages compared with the other known methods of rolling steel aluminum-bimetals:

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ACC NR: AP6003280

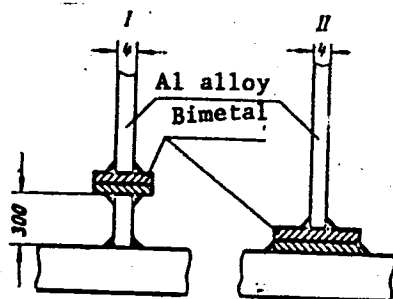


Fig. 1. Variants of joining the superstructure to the ship deck.

Joining of dissimilar metals

18

Card 2/3

14506-66

ACC NR: AP6003280

only one rolling pass is needed instead of 3-5 and the extensive deformation of the Al alloy assures a reliable interlocking of the layers of bimetal strip. This type of strip is suitable for welding together steel and aluminum structural elements in shipbuilding, transport, aviation; the other types of Al-clad steel strips previously fabricated in the Soviet Union could not be used for this purpose because they consist of nonweldable Al alloys, armco iron and steel with low strength properties. Tests and metallographic examinations showed that this can be accomplished by means of a proper welding regime. Thus, during welding the depth of fusion from the Al-layer side should not be closer than 1 mm to the interlocking boundary, and from the steel-layer side, not closer than 1.5-1.8 mm, in order to preserve the adhesion between the two layers. The experimental introduction of this method in the joining of parts of a ship's superstructure of AMG5V aluminum alloy to the steel deck of its hull showed that of the two variants of joining tested (Fig. 1) the first variant was better. Some 30 running meters of superstructure were thus joined. The welded joints were tested for airtightness (0.1 atm) with satisfactory results. The new method results in welded joints of a better appearance and lower weight (~7 kg per running meter of joints) compared with riveted joints. Thus for example, in a ship with a steel deck and aluminum superstructure the total number of joinings required between aluminum and steel elements may reach 3000-4000; hence the total reduction in the ship's weight may reach 21-28 tons. Orig. art. has: 5 figures, 3 tables.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 002

GC
Card 3/3

RAMBOY, Feliks Ivanovich; CHIRNEVSKIY, B.V., red.

[Helium-arc welding of aluminum alloys] Gelle-dugovaya
svarka aluminovykh spлавov. Leningrad, 1964. 31 p.
(MIRA 17:11)

RAZDUY, F.I., kand.tekhn.nauk

Argon-arc spot welding of the AMg5B aluminum alloy.
Svar. proizv. no.12:14-16 D '62. (MIRA 15:12)
(Aluminum alloys--Welding)

RAZDUI, F. I.

42/49717

USSR/Engineering
Welding, Seam
Testing Procedures

Jan 49

"Mechanical Tests of Welded Beams," F. I.
Razduy, Eng. 1 p

"Avtozhenovo Delo" No 1

Lack of conformity between OST method for
mechanical tests and actual condition of
welding technique frequently leads to mistakes
during tests of mechanical characteristics of
welded seams, and results obtained are
questionable. Mechanical metal tests are
FDB 42/49717

USSR/Engineering (Contd)

Jan 49

based on the principle of equality of samples.
Discussion method, adapting proportional samples
enabling tests of metals of various thicknesses.

FDB

42/49717

LUSHKOV, Natan Lazarevich; RAZDUY, Feliks Ivanovich; SHPEYZMAN, Benjamin
Matveyevich; VEYNGARTEN, A.M., otv.red.; STOLYARSKIY, L.L., red.;
TSAL, R.K., tekhn.red.

[Hydrogen in welded seams and its elimination] Vodorod v
svarnykh shvakh i bor'ba s nim. Leningrad, Gos.soiuznoe izd-vo
sudostroitel'.promyshl., 1959. 55 p.
(Electric welding) (MIRA 12-7)

9-130. MECHANICAL TESTING OF WELDED JOINTS. (In Russian.)
F. I. Rasdul. Avtozashchita Delo (Welding), Jan. 1949, p. 21-22.
Standard tensile and bending tests according to the All-Union
Standard, including the size of test specimens for different types
of welding.

AS 11.4 METALLURGICAL LITERATURE CLASSIFICATION

8 13

Mechanical Testing of Welded Joints. (In Russian.)
F. I. Razdov. *Arkhivnaya Delo* (Welding). Jan
1949, p. 21-22.

Describes standard tensile and bending tests ac-
cording to the All-Union Standard, including the
size of test specimens for different types of weld-
ing.

AS 10 10 10 METALLURGICAL LITERATURE CLASSIFICATION

TABLE 1

TABLE 2

TABLE 3

TABLE 4

TABLE 5

TABLE 6

TABLE 7

TABLE 8

TABLE 9

TABLE 10

TABLE 11

TABLE 12

TABLE 13

TABLE 14

TABLE 15

TABLE 16

TABLE 17

TABLE 18

TABLE 19

TABLE 20

TABLE 21

TABLE 22

TABLE 23

TABLE 24

TABLE 25

TABLE 26

TABLE 27

TABLE 28

TABLE 29

TABLE 30

TABLE 31

TABLE 32

TABLE 33

TABLE 34

TABLE 35

TABLE 36

TABLE 37

TABLE 38

TABLE 39

TABLE 40

TABLE 41

TABLE 42

TABLE 43

TABLE 44

TABLE 45

TABLE 46

TABLE 47

TABLE 48

TABLE 49

TABLE 50

TABLE 51

TABLE 52

TABLE 53

TABLE 54

TABLE 55

TABLE 56

TABLE 57

TABLE 58

TABLE 59

TABLE 60

TABLE 61

TABLE 62

TABLE 63

TABLE 64

TABLE 65

TABLE 66

TABLE 67

TABLE 68

RUSSO, Vladimir Leonidovich; KOROBV, P.D., inzh., retsenzent;
RAZDUY, F.I., kand. tekhn. nauk, retsenzent; ALSUF'YEV,
P.A., nauchnyy red.; SHAKHNOVA, V.M., red.; KOROVENKO,
Yu.N., tekhn. red.

[Welding aluminum alloys in an inert gas atmosphere] Svar-
ka aluminievyykh splavov v sred● inertnykh gazov. Lenin-
grad, Sudpromgiz, 1962. 160 p. (MIRA 15:8)

(Aluminum alloys--Welding)
(Protective atmospheres)

ARTEMOV, L.I., inzh.; RAZDUY, F.I., inzh.; ANDREYEV, V.M., prof., otv.red.;
RYZHIK, Z.M., inzh., red.; FREGER, D.P., tekhn.red.

[Mechanization of a process for coating electrodes by a method
which involves immersion] Mekhanizatsiia protsessa pokrytiia
elektrodiv sposobom okunaniia; opyt zavoda. Leningrad, 1952.
9 p. (Informatsionno-tekhnicheskii listok, no.35 (376)).

(MIRA 14:7)

1. Leningradskiy Dom nauchno-tekhnicheskoy propagandy.
(Electrodes) (Welding—Equipment and supplies)

SAVEL'YEV, Vladimir Nikolayevich, kand. tekhn. nauk; CHICHEVSKIY,
Svyatoslav Valeriyevich, inzh.; NAVROTSKIY, Dmitriy
Ivanovich, kand. tekhn. nauk; KOSHEV, F.I., red.;

[Technology of welding processes and the strength of welded
joints of aluminum-magnesium alloys] Tekhnologiya svarki i
prochnost' svarnykh soedinenii iz aluminievo-magnievykh
splavov. Leningrad, 1963. 28 p. (Leningradskii dor. nauchno-
tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya:
Svarka, paika i rezka metallov, no.5) (MIRA 17:4)

RAZDUY, F. I. (Cand. Tech sciences) (Leningrad)

"Welding of constructions of steel and aluminum alloys with the help of bimetallic insert" on concrete examples showed the possibility of manufacture of combined experimental knots and ship constructions.

In a test on a static bend up to a loss of stability of a beam with belt from alloy AMg5In, although 1.5 times lighter than beams with steel belts, nevertheless sustained an identical load. Characteristically, the bimetal was not destroyed.

Report presented at the 1st All-Union Conference on welding of heterogeneous metals, at the Inst of Electric Welding im. Ye. O. Paton, 14-15 June 1963.
(Reported in Avtomaticheskaya svarka, Kiev, No. 9, Sept 1963, pp 95-96 author, V. A. Ryabov)

JPRS 24,651 10 May 64

RAZDUY, F.I., kand.tekhn.nauk

Electric arc welding of aluminum. By I.A.L. Kliachkin. Reviewed
by F.I. Rasdui. Svar. proizv. no.10:43-44 0 '60. (MIRA 13:9)
(Aluminum--Welding) (Kilachkin, I.A.L.)

Razduy, V. I.

25(1,6)

PHASE I BOOK EXPLOITATION SOV/2577

Lushkov, Natan Lazarevich, Feliks Ivanovich Razduy, and Veniamin Matveyevich Shpeyzman

Vodorod v svarnykh shvakh i bor'ba s nim (Hydrogen in Welded Joints and Its Control) Leningrad, Sudpromgiz, 1959. 55 p. Errata slip inserted. 5,000 copies printed.

Resp. Ed.: A. M. Veyngarten; Ed.: L.L. Stolyarskiy; Tech. Ed.: R. K. Tsal.

PURPOSE: This book is intended for production engineers and foreman.

COVERAGE: The authors discuss the causes and sources of hydrogen impregnation in welded joints, formation of cracks and flakes, and methods of determining hydrogen content in the weld metal, fluxes, coverings, and ferroalloys. They present data on the effect of moisture in the coatings and fluxes on the hydrogen content of the weld metal and make recommendations for reducing or eliminating the tendency of welded joints to develop cracks

Card 1/4